Assam University (A Central University)
Silchar - 788011, Assam

Department of Library and Information Science

Curriculum for Interdisciplinary Course (IDC)

for

FYUG Programme

(Under NEP-2020)

w.e.f. 2023 - 2024

Contents

Semester Wise List of IDC (Interdisciplinary Course) Papers in Library and Information Science

Semester	Course Code	Title of the Paper	Credits
I	LIS-IDC-101	Introduction to Library and Information Science	3
II	LIS-IDC-151	Management of Libraries and Its Resources	3
III	LIS-IDC-201	ICT Applications in Libraries	3

Syllabi of Library and Information Science IDC Course

Semester : First Semester

Course Type	: **Interdisciplinary (IDC)**
Course Code	: **LIS-IDC-101**
Name of the Course	: **Introduction to Library and Information Science**
Learning level	: **Foundation or Introductory Level**
Credits	: **3**
Contact Hours	: **45**
Total Marks	: **100**
End Semester Marks	: **70**
Internal Marks	: **30**

Introduction to Library and Information Science

Objectives of the Course:

- *To provide a comprehensive understanding of the basics of library and information science.*
- *To familiarize students with the functions and importance of libraries, types of libraries, and the laws of library science.*
- *To understand the concepts of data, information, knowledge, and wisdom.*
- *To develop an understanding of library classification theory, call numbers, classification schemes, etc.*
- *To provide an overview of library cataloguing theory, physical forms of catalogues, entries, cataloguing codes, canons, and principles.*
- *To highlight the need and importance of professional library associations, acts and policies relevant to libraries, IPR, and plagiarism issues.*
- *To provide an overview of the Right to Information (RTI) Act, ISBN, and ISSN.*

Unit 1: Basics of Library and Information (9 Lectures)

- Library: Definition, Functions, and Importance
- Types of Libraries
- Laws of Library Science and their Implications
- Data, Information, Knowledge and Wisdom: Types, Nature, Properties and Scope

Unit 2: Knowledge Organisation – I: Library Classification Theory (9 Lectures)

- Library Classification: Definition, Needs and Purposes
- Concept of Call Number: Class Number, Book Number and Collection Number
- Notation and Notational System: Definition, Need, Types and Qualities
- Different Classification Schemes

Unit 3: Knowledge Organisation – II: Library Cataloguing Theory (9 Lectures)

- Library Cataloguing: Definition, Needs and Purposes
- Physical Forms of Catalogue
- Entries: Kinds of Entries and their Functions
- Cataloguing Codes, Canons and Principles

Unit 4: Library Associations and their Contributions (9 Lectures)

- Need and Importance of Professional Associations
- UNESCO Public Library Manifesto
- Library Associations in India and their Role: ILA, IASLIC & IATLIS, Assam Library Association
- International Associations: ALA, CILIP & IFLA

Unit 5: Information Acts and Policies (9 Lectures)

- Library Legislation: Needs & Purposes
- Library Acts in India – Features and History
- IPR, Copyright, and Plagiarism
- Right to Information (RTI) Act, ISBN and ISSN

Course Learning Outcomes:

After studying the course, students will be able to:

- *Understand the definition, functions, and importance of libraries,*
- *Identify and differentiate between various types of libraries, the laws of library science, and DIKW,*
- *Understand the library classification theory, call numbers, classification schemes and their use in libraries.*
- *Explain the meaning of library cataloguing, catalogue entries, cataloguing rules, etc.*
- *Understand the role and significance of library associations in the professional development of librarians.*
- *Familiar with the contributions of various library associations, acts and policies relevant to libraries.*
- *Aware of the features of library acts in India, copyright, IPR, plagiarism, RTI, etc.*

Recommended Books:

1. Bhatt, R. K. (1995). History and development of libraries in India. Mittal Publications, New Delhi.
2. Broughton, Vanda. (2004). Essential Classification. London: Facet Publishing.
3. Dhiman, A. K., and Yashoda Rani. (2005). Learn Library Classification. New Delhi: Ess Ess.
4. Husain, Sabahat. (2004). Library Classification: Facets and Analysis. Delhi: B. R. Publishing.

5. Jennex, Murray E. (2008). Knowledge Management: Concepts, Methodologies, Tools and Applications. New York: Information Science Reference.
6. Kao, Mary L. (2003). Cataloguing and Classification for Library Personnel. Mumbai: Jaico.
7. Krishan Kumar (1993). Library Organisation. Vikas, New Delhi.
8. Kumar, P. S. G. (2003). Knowledge Organization, Information Processing and Retrieval Theory. Delhi:B. R. Publishing.
9. Martin, W.J. (1988). The information society. Aslib, London.
10. Pathak, L. P. (2000). Sociological Terminology and Classification Schemes. New Delhi: Mittal Publications.
11. Ranganathan, S. R. (1989). Five laws of library science. Ed. 2. Sarada Ranganathan Endowment for Library Science, Bangalore.
12. Ranganathan, S. R. (2006). Philosophy of Library Classification. Bangalore: Ess Ess.
13. Singh, Sonal. (1998). Universe of Knowledge: Structure & Development. Jaipur: Raj Publishing.
14. Sood, S. P. (1998). Universe of Knowledge and Universe of Subjects. Jaipur: G. Star Printers.
15. Taylor, A. G. (2007). Introduction to Cataloguing and Classification (10th ed.). New Delhi: Atlantic.

Semester : Second Semester

Course Type	: **Interdisciplinary (IDC)**
Course Code	: **LIS-IDC-151**
Name of the Course	: **Management of Libraries and Its Resources**
Learning level	: **Foundation or Introductory Level**
Credits	: **3**
Contact Hours	: **45**
Total Marks	: **100**
End Semester Marks	: **70**
Internal Marks	: **30**

Management of Libraries and Its Resources

Objectives of the Course:

- *To provide an understanding of library management, its meaning, and scope.*
- *To familiarize students with the concept of book selection and the methods, principles, and tools involved in the process.*
- *To introduce the concept of POSDCORB, human resource management (HRM) and topics such as supervision, leadership, motivation, and interpersonal relations within the context of library management.*
- *To discuss e-journals, their characteristics, advantages, and disadvantages*
- *To explore e-books, their characteristics, advantages, and disadvantages.*
- *To familiarize students with various sources of information, including reference and information sources such as encyclopaedias, directories, biographical sources, etc.*
- *To introduce different types of reference services, including current awareness service (CAS) and selective dissemination of information (SDI).*

Unit 1: Library Management (9 Lectures)

- Library Management: Meaning and Scope
- Book Selection: Concept, Need, Methods, Principles, and Tools
- Acquisition of Books, Periodicals and Non-book materials
- POSDCORB: Concept and Meaning

Unit 2: Human Resource Management (9 Lectures)

- HRM: Concept, Needs and Purposes, Planning, Policies & Issues
- Supervision, Leadership, Motivation and Interpersonal Relations
- Duties of Library Staff and Job Description
- Library Committee: Concept, Importance, Types, and Function

Unit 3: Sources of Information (9 Lectures)

- Reference & Information Sources: Definition, and Characteristics

- Types of Information Sources: Documentary - Primary, Secondary and Tertiary, Non - Documentary
- Encyclopaedia, Directory, Biographical Sources, Geographical Sources, Handbooks, Manuals, and e-Reference Sources
- Current Information Sources: Yearbooks, Almanacs, News summaries, and On-line Reference Sources.

Unit 4: Reference and Information Service (9 Lectures)

- Reference and Information Service - Definition, Characteristics, and Recent Trends
- Types of Reference Services: Long Range Service and Ready Reference Service
- Current Awareness Service (CAS) and Selective Dissemination of Information (SDI)
- Reference and Citations: Different Styles, Importance, and Management Tools

Unit 5: Management of E-Resources (9 Lectures)

- E-Resources: Concept, Characteristics, Format, Advantages, and Disadvantages
- E-journals: Characteristics, Advantages, and Disadvantages; E-books: Characteristics, Advantages, and Disadvantages
- Print Vs E-Resources, Open Access Resources: Types and Resources
- Open Archives: Meaning, OA Initiatives in India

Course Learning Outcomes:

After studying the course, students will be able to:

- *Have a comprehensive understanding of library management, its scope, and various aspects involved in it.*
- *Apply different methods, principles, and tools in the book selection process.*
- *Familiar with the concept of POSDCORB, human resource management and its relevance in libraries.*
- *Plan and address human resource management and understand the concepts of supervision, leadership, motivation, and interpersonal relations.*
- *Have an understanding of the management of e-resource, evaluate the advantages and disadvantages.*
- *Understand the different types of information sources and their characteristics.*

Recommended Books:

1. Beardwell, Ian and Holden, Len (1996). Human Resource Management: A Contemporary perspectives. London: Longman.
2. Bryson Jo. (1996). Effective Library and Information Management. Bombay: Jaico Pub. House.
3. Chabhra, T. N. et. al. (2000). Management and Organisation. New Delhi: Vikas.
4. Drucker Peter F. (2002). Management Challenges for the 21st century. Oxford; Butterworth Heineman.
5. Ghenney, F. N. (1980). Fundamentals of Reference Sources. New York: Mc Graw Hill.

6. Guha, B. (1999). Documentation and Information Services (2nd ed.). Calcutta: World Press.
7. Higgens, C. (Ed.). (1980). Printed Reference Materials. London: Library Association.
8. Krishan Kumar. (1984). Reference Service. New Delhi: Vikash Publication.
9. Narayana, G J. (1991). Library and Information management. New Delhi: Prentice Hall of India.
10. Seetharama, S. (1990). Guidelines for planning of libraries and information centers., IASLIC, Calcutta.
11. Stueart, R. D., and Moran, B. B. (2007). Library and information center, management. Libraries Unlimited, London.
12. Yu, H., Breivold, S. (2008). Electronic Resource Management in Libraries: Research and Practice. United Kingdom: Information Science Reference.

Semester : Third Semester

Course Type	: **Interdisciplinary (IDC)**
Course Code	: **LIS-IDC-201**
Name of the Course	: **ICT Applications in Libraries**
Learning level	: **Intermediate Level**
Credits	: **3**
Contact Hours	: **45**
Total Marks	: **100**
End Semester Marks	: **70**
Internal Marks	: **30**

ICT Applications in Libraries

Objectives of the Course:

- *To provide a foundational understanding of information communication technology (ICT) and its components and applications.*
- *To explore the evolution and generations of computers, computer hardware components and software types.*
- *To explain the meaning, purpose, planning, and steps involved in library automation.*
- *To introduce popular library software packages such as KOHA and SOUL and their features like OPAC, and webOPAC etc.*
- *To provide an understanding of digital libraries, including their meaning, purpose, planning, and implementation.*
- *To explain the meaning and purposes of library networks like INFLIBNET and DELNET.*
- *To discuss library consortia in India, such as E-ShodhSindhu, CSIR, and other e-resource consortia.*
- *To introduce internet-based platforms like OCLC, LC, CORC, SCOPUS, Web of Science, EBSCO and ProQuest.*
- *To explore the concepts of Massive Open Online Courses (MOOCs), information retrieval, AI and modern trends of research in the field of library and information science.*

Unit 1: Basics of ICT (9 Lectures)

- Information Communication Technology: Meaning, Components, and Applications
- Computer Technology: Evolution and Generation of Computers
- Computer Hardware and its Components; Software and its Types
- Open Source Software Vs Commercial/Proprietary Software; Internet: Concept, Services and Applications

Unit 2: Library Automation Theory (9 Lectures)

- Library Automation: Meaning, Purpose, Planning, and Steps and Implementation
- Library Software Packages: Koha, and SOUL
- House Keeping Operations, OPAC, and WebOPAC
- Barcode, QR Code and RFID

Unit 3: Digital Library Theory (9 Lectures)

- Digital Library: Meaning, Purpose, Planning, Steps, and Implementation
- Digital Library Management Software (DLMS): Selection Process and Features (DSpace and E-prints)
- Institutional Repositories Vs Digital Library
- Web Technology: Meaning and Applications in Libraries

Unit 4: Library Networks (9 Lectures)

- Library Networks - Meaning and Purposes
- Library Networking in Indian Perspectives: INFLIBNET, and DELNET
- Library Consortia in Indian Context: E-ShodhSindhu, CSIR & Others E-Resource Consortia
- Internet Based Cataloguing – OCLC, LC and CORC

Unit 5: Recent Trends in LIS (9 Lectures)

- Indexing Databases: SCOPUS and Web of Science
- Digital Resource Aggregator (EBSCO, and ProQuest)
- MOOCs, Information Retrieval and Artificial Intelligence
- Research in LIS: Modern Trends of Research

Course Learning Outcomes:

After studying the course, students will be able to:

- *Understand the ICT and its applications in library and information science.*
- *Identify computer hardware components and software types used in library operations.*
- *Understand the differences between open source software and commercial software.*
- *Understand the internet, its services, and its applications in libraries.*
- *Familiar with popular library software packages and their features such as OPAC, and webOPAC.*
- *Understand the meaning, purpose, planning, and implementation of digital libraries.*
- *Understand the meaning and purposes of library networks like INFLIBNET and DELNET.*
- *Understand the concept of library consortia and their role.*

Recommended Books

1. Arora, Ashok & Bansal, Shefali. (2000). Computer Fundamentals. New Delhi: Excel Books.
2. Basandra, Suresh K. (1999). Computer Today. New Delhi: Galgotia Publication
3. Chidrupananda, Swami. (2006). Making Sense of Library Automation: A Hands on Guide. Kolkata : Meteor
4. Daim, T. U., Chiavetta, D., Porter, A. L., & Saritas, O. (Eds.). (2016). Anticipating future innovation pathways through large data analysis. Springer International Publishing.

5. Ding, Y., Rousseau, R., & Wolfram, D. (2016). Measuring scholarly impact. Springer International Pu.
6. Gopal, Krishan. (2005). Modern Library Automation. New Delhi : Authors Press.
7. Haravu, L. J. (2004). Library automation design, principles and practice. Allied Publishers, New Delhi.
8. Kumar, P. S. G. (2004). Information and Communication. Delhi: B. R. Publication.
9. Pandey, S. K. (2000). Organisation of Library Automation. New Delhi : Anmol Publications.
10. Sarmah, Mukut. (2013). IT application in college libraries, Eastern Book Publishing House, Guwahati.
11. Sujatha, G. (1999). Resource Sharing and Networking of University Libraries. New Delhi : Ess Ess.

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